Model (1)

Owls in food chains

Owls have some environmental adaptations that enable them to easily capture prey and obtain food.

Answer	the	foll	owing.
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1-From	structural	adaptation in owls
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a- Strong sense of sight b- weak sense of sight

2- The owl is found in thepart of the food chains.

a-lower

b- higher

3-The owls are from in the food chains.

a-producers

b- consumers

4- Create a food chain containing owls and include at least four organisms of different species.

Model (2)

The effect of climate change on the ecosystems

Global warming is one of the phenomena that pose a threat to the manifestations of life on the surface of the earth and cause severe climatic changes such as droughts and floods, which threaten life in many ecosystems.

floods, which threa	iten life in many ecosystems.	
Answer the followi	ng:	
1 The gas, which re is	sponsible for the global warming	THE RESERVE THE PROPERTY OF TH
a-oxygen	b- carbon dioxide gas	Let bray by
2- The melting of ic	e leads to a rise in sea and ocean lev ge	els, and this is an example of the
a-physical	b-chemical	
3- It is a non-living	element in the ecosystem that is not	considered
a basic need for	plant seed germination.	

a-soil b-air

4- In your opinion, how droughts lead to the destruction of food chains in the ecosystem?

Model (3)

Aquaculture

- -From article of Al-Ahram newspaper;
- -Hydroponics saves 59 % of irrigation water and challenges pests without pesticides.
- -In Egypt, during the past few years, the idea of hydroponics or farming without soil has spread on a limited scale in many cities in the governorates.



- -Probably, many do not know that cultivation without soil is one of the hydroponics systems for the production of leafy vegetables free of diseases and pesticides.
- -It means that Cultivation of plants in agricultural media where soil is not one of its components, and it was fed using a special solution that contains the nutrients necessary for plant growth.

1- Hydroponics is one of the modern methods of agriculture and direct evidence that

Answer the following:

the soil is one of the	
a- Basic needs of a plant.b- Non-basic needs of the plant.	nt.
2-The plant getsfrom	soil.
a-carbon dioxide gas	b-water and nutrients
 What is the importance of the process, which is carried out by the 	oxygen gas that is produced by photosynthesis he plant to make its own food?
4- Mention some of the advantag	es of hydroponics that you have learned from the

Model (1)

Owls in food chains

Q1: Owls have some environmental adaptations that enable them to easily capture prey and obtain food.

Answer the following:

- 1. From structural adaptation in owls
 - a. Strong sense of sight
 - b. weak sense of sight



- 2. The owl is found in the part of the food chains.
 - a. Lower

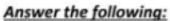
- b. higher
- 3. The owls are from in the food chains.
 - a. producers
- b. consumers
- Create a food chain containing owls and include at least four organisms of different species.

plant → insect → jerboa → snake → owl

Model (2)

The effect of climate change on the ecosystems

Q1: Global warming is one of the phenomena that pose a threat to the manifestations of life on the surface of the earth and cause severe climatic changes such as droughts and floods, which threaten life in many ecosystems.



1. The gas, which responsi	ble for the global warming is
a. Oxygen	
b. carbon dioxide gas	
2. The melting of ice leads	to a rise in sea and ocean levels,
and this is an example o	f the change.
a. Physical	b. chemical
	t in the ecosystem that is not
considered a basic need	for plant seed germination.

. Because droughts make the plants die so, the other

food chains in the ecosystem?

organisms will die too.

Model (3)

Aquaculture



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- -Hydroponics saves 59% of irrigation water and challenges pests without pesticides.
- -In Egypt, during the past few years, the idea. Of hydroponics or farming without soil has spread on a limited scale in many cities in the governorates.
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- -It means that Cultivation of plants in agricultural media where soil is not one of its components, and it was fed using a special solution that contains the nutrients necessary for plant growth.

Answer the following:

- Hydroponics is one of the modern methods of agriculture and direct evidence that the soil is one of the
 - a. Basic needs of a plant.
 - b. Non-basic needs of the plant.
- 2. The plant gets from soil.
 - a. carbon dioxide gas
- b. water and nutrients

- 3. What is the importance of the oxygen gas that is produced by photosynthesis process, which is carried out by the plant to make its own food?
 - · It is used by humans and animals for respiration.
- Mention some of the advantages of hydroponics that you have learned from the article.
 - 1- Saving 59% of irrigation water.
 - 2- Getting rid of pests without pesticides.
 - Production of leafy vegetables free of diseases and pesticides.
 - 4- No need for soil.